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APPLICATION NO.	FILING DA	TE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/623,050	07/18/2003		Michael John Davis	125436-2	6669	
266	7590 10)/20/2006		EXAM	EXAMINER	
MUELLER AND SMITH, LPA MUELLER-SMITH BUILDING				AHMED, SHEEBA		
	S EDGE DRIVE			ART UNIT	PAPER NUMBER	
COLUMBUS, OH 43235				1773		

DATE MAILED: 10/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/623,050	DAVIS ET AL.					
Office Action Summary	Examiner	Art Unit					
	Sheeba Ahmed	1773					
The MAILING DATE of this communicati Period for Reply	on appears on the cover sheet v	vith the correspondence address					
A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAILI - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communica - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, be Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUN CFR 1.136(a). In no event, however, may a tion. period will apply and will expire SIX (6) MO y statute, cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed or	25 July 2006						
, 							
3) Since this application is in condition for a		tters, prosecution as to the merits is					
closed in accordance with the practice u		•					
Disposition of Claims							
4) Claim(s) <u>2-13,33,36-38,42 and 74</u> is/are	Claim(s) 2-13,33,36-38,42 and 74 is/are pending in the application.						
4a) Of the above claim(s) is/are w	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>2-13, 33, 36-38, 42, and 74</u> is/are rejected.							
7) Claim(s) is/are objected to.	7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
		•					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) \prod Interview	Summary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:							
Paper No(s)/Mail Date	6) [_] Other:	·					

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DETAILED ACTION

Response to Amendments

1. In the amendments submitted on July 25, 2006, each amended claim has not been provided with the proper status identifier. The status of each claim must be indicated after its claim number by using a proper status identifier. In this case, "amended" is not a correct status identifier and should be replaced with "currently amended". Amendments to claims 2-13, 33, and 42 have been entered however a new listing of claims with the proper status identifiers is required in response to this Office Action. Claims 1, 14-32, 34-35, 39-41, and 43-73 have been cancelled. New claim 74 has been added.

Claims 2-13, 33, 36-38, 42, and 74 are now pending and under consideration.

Claim Objections

2. Claim 33 is objected to because of the following informalities:

The term "unreinfoced" should be "unreinforced".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 2-13, 33, 36-38, 42, and 74 are rejected under 35 U.S.C. 102(b) as being anticipated by Yeager et al. (WO 01/40354 A1).

Yeager et al. disclose a resin composition comprising (1) a poly(phenylene ether) compound in which at least a portion of the hydroxyl groups have been reacted with a compound containing ethylenic unsaturation and (2) curable unsaturated monomers. The PPE preferably has a number average molecular weight of less than 10,000 (page 6, lines 18-32). The composition further optionally contains a polymerization catalyst, a flame-retardant and a fibrous reinforcement and the composition may be used to impregnate fibrous reinforcement clad with copper to form electrical circuit boards (Page 7, lines 6-13), Preferred PPE compounds are given on Pages 8-11 and correspond to the recited structures in claims 12 and 13 of the instant application. Component (2) of the resin composition includes monofunctional acrylate and monofunctional styrene compounds (Page 11, lines 20-22). The resin composition may further contain unsaturated polymers such thermoplastic elasotomers or thermoplastic block polymers such as styrene Page 13, lines 19-22). All limitations of claims 12-13, 33, 36-38, 42, and 74 are disclosed in the above reference.

Response to Arguments

4. Applicant's arguments filed on July 25, 2006 have been fully considered but they are not persuasive. Applicants traverse the rejection of claims 2-13, 33,

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36-38, 42, and 74 under 35 U.S.C. 102(b) as being anticipated by Yeager et al. (WO 01/40354 A1) and submit that Yeager specifically teaches conventional copper clad boards where prepegs are used to form the boards and that prepegs are reinforced with glass mats which are impregnated with the Yeager composition and that the present invention, in contradistinction, expressly excludes reinforcement. However, the Examiner would like to point out that Yeager specifically states that the composition *optionally* contains a fibrous reinforcement and the composition may be used to impregnate fibrous reinforcement clad with copper to form electrical circuit boards hence the *reinforcement is not a requirement of Yeager's invention*. Yeager specifically meets all the limitations of the instantly claimed invention and the rejection is maintained.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory

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action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheeba Ahmed whose telephone number is (571)272-1504. The examiner can normally be reached on Mondays and Thursdays from 9:30am to 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on (571)272-1284. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Sheeba Ahmed Art Unit 1773

October 16, 2006